

ABSTRACT

The invention provides a device having a surface and a functional layer associated with the surface, where the functional layer includes particles having a structure substituted with a functional group, where the functional group is adapted to modify a property of the device, the device is sufficiently biocompatible for application to a multicellular organism and the particles have an average diameter of about 5 nm to about 10 microns.

10

15

20

25

30